Verification & Validation System

Presented
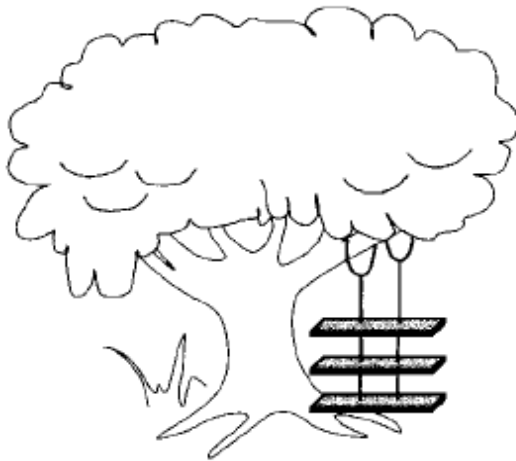To: Verification & Validation Summit 2008

By: Basilyn Bunting, CSEP, PMP
Chief System Engineer Of Verification & Validation
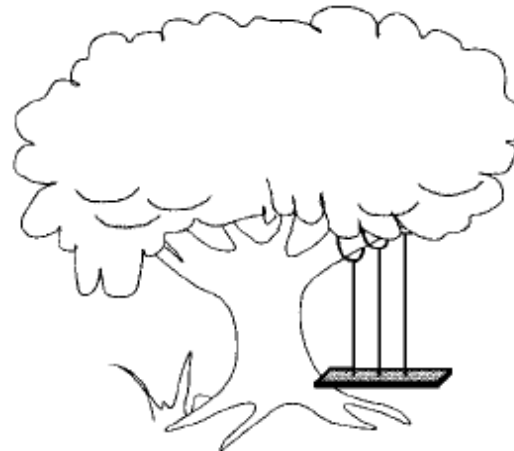
Date: October 22 2008

Verification and Validation

As the RFP requested it

As the work statement specified it
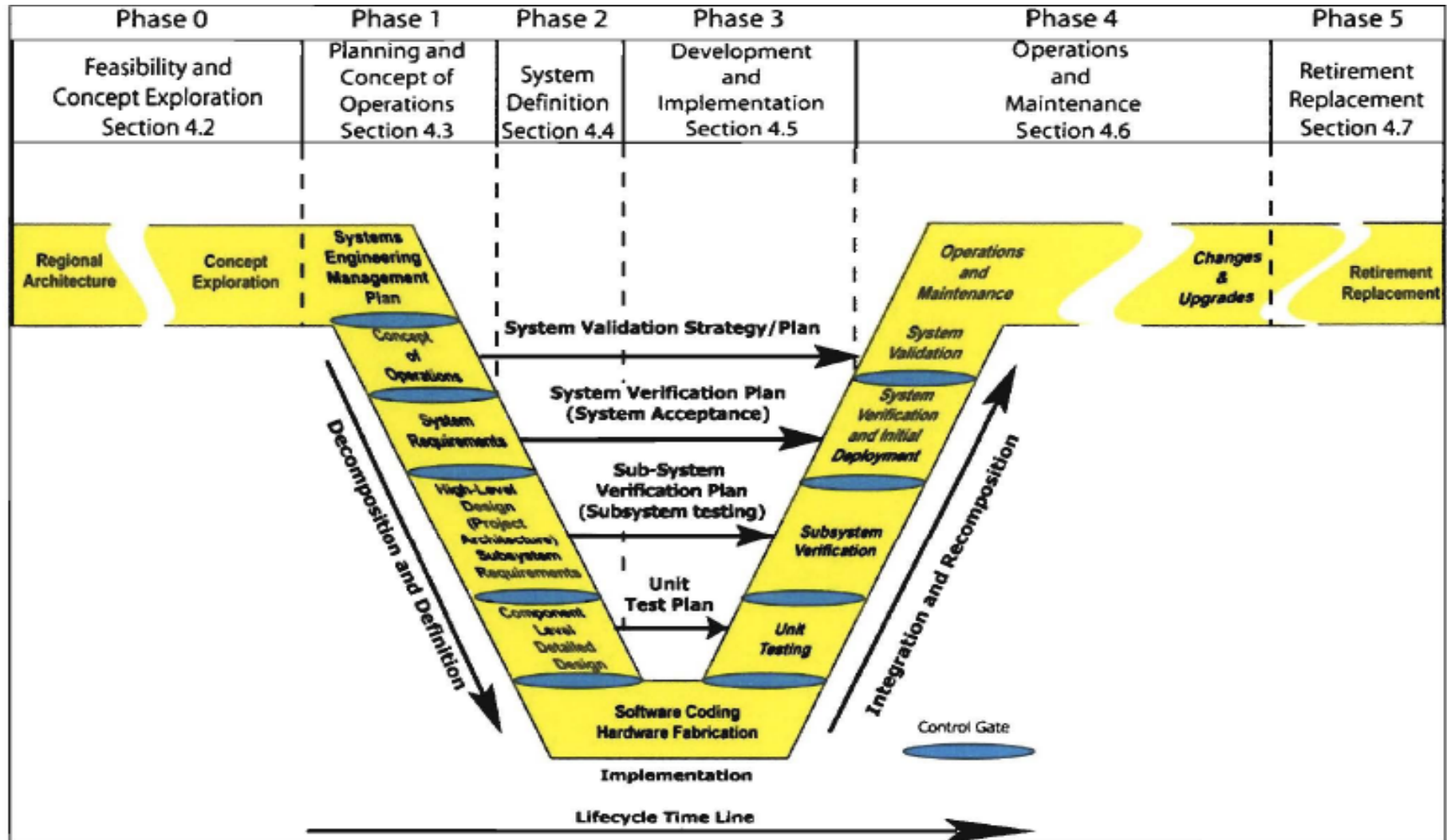
As it was negotiated

As engineering designed it

As it was built

What the customer wanted

Source: Forsberg, Mooz, Cotterman

Verification & Validation System

Source: CalTrans

Re-visiting the SEM: V & V

- **Integration, Verification and Validation**

- **Department of Defense Architecture Framework (DoDAF)**

- **Safety Management System**

- **Software Assurance, RTCA DO-278**

Industrial V &V Best Practices

- **Capability Maturity Model Integration (CMMI)**

- **Electronic Industries Alliance (EIA).** *Processes for Engineering a System*. **1999.**

- **Institute of Electrical and Electronics Engineers (IEEE).** *Standard for Application and Management of the Systems Engineering Process*. **1998.**

- **International Organization for Standardization.** *Systems Engineering—System Life Cycle Processes*. **2002.**